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TI Method for separating N-methylpyrrolidone from byproducts

IN Oleshko, Pavel R.; Selitskij, Artur P.; Podobed, Anatolij F.; Sabylin,  
Igor I.; Kharisov, Marat A.; Khvorov, Aleksandr P.; Gankin, viktor Yu.;  
Shapiro, Aron A.

PA Novocherkasskij zavod sinteticheskikh produktov, USSR

SO U.S.S.R.

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AB Sepn. of N-methylpyrrolidone from byproducts of its synthesis from  
.gamma.-butyrolactone and monomethylamine, the byproducts being water,  
N-methyl-.gamma.-hydroxybutyramide, and high-boiling components, is  
accomplished in an improved process by redistn. In order to increase the  
quality and yield of product, the rectification of byproducts is carried  
out at 30-250 mm Hg pressure in the head of the column in the presence of  
N-methyl-4-(methylamino)butyramide as sepn. agent, taken in a ratio to the  
N-methyl-.gamma.-hydroxybutyramide impurity of 0.5-2:1. Concd.  
N-methylpyrrolidone is removed from plates in the rectifying or distg.  
section of the column with subsequent isolation of com.

N-methylpyrrolidone.

IC ICM C07D207-267

DT Patent

LA Russian